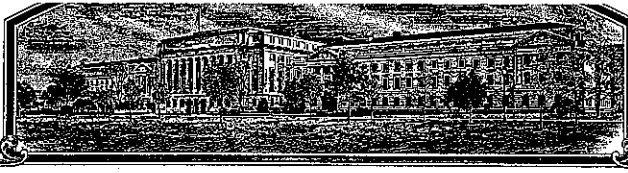


No.

200400164



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Monsanto Company

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR PLANT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED, AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT.

15 U.S.C. 1511, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Beretta'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this fourteenth day of June, in the year two thousand and four.

Attest:

P. C. M. Zahn

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Andrew Freeman

Secretary of Agriculture



U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the privacy Act of 1974 (5 U.S.C. 552a)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421) Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
Monsanto Company		D99-5261	Beretta
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code)		5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY PVPO NUMBER 200400164
800 N. Linbergh Blvd. Mail Zone:E3NA Creve Coeur, Missouri 63167		314.694.6089	
		6. FAX (include area code)	F I L I N G DATE
		314.694.7250	March 31, 2004
7. GENUS AND SPECIES NAME	8. FAMILY NAME (Botanical)		F I L I N G FEE
Triticum aestivum	Gramineae		3652.00
9. CROP KIND NAME (common name)			DATE
Soft Red Winter Wheat			3/31/2004
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (common name)			CERTIFICATION FEE
Corporation			432.00
11. IF INCORPORATED, GIVE STATE OF INCORPORATION		12. DATE OF INCORPORATION	DATE
Delaware		1933	5/04/2004
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS			14. TELEPHONE (include area code)
Ms. Sally Metz 800 N. Lindbergh Blvd. Creve Coeur, Missouri 63167			314.694.6089
AND			15. FAX (include area code)
Dr. Rollin Sears 6515 Ascher Road Junction City, Kansas 66441			314.694.7250

16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (follow instructions on reverse)

- a. ☒ Exhibit A. Origin and Breeding History of the Variety
- b. ☒ Exhibit B. Statement of Distinctness
- c. ☒ Exhibit C. Objective Description of the Variety
- d. ☒ Exhibit D. Additional Description of the Variety
- e. ☒ Exhibit E. Statement of the Basis of the Applicant's Ownership
- f. ☒ Voucher Sample (2,500 viable untreated seeds, or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository)
- g. ☒ Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to PVPO)

17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act)

☒ YES (if "yes", answer items 18 and 19 below) ☐ NO (if "no", go to item 20)

18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? ☐ YES ☒ NO

19. IF 'YES' TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDERS SEED? ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES? ☐ YES (if "YES", give names of countries and dates) ☒ NO

21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT (Owner(s))		SIGNATURE OF APPLICANT (Owner(s))	
NAME (Please print or type)		NAME (Please print or type)	
Sally Metz		Dr. Rollin Sears	
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Director Wheat Technology	1-28-04		

Exhibit A.

Origin and Breeding History of Beretta

The single cross that produced Beretta (aka. D99-5261) "91M*1365/T814" was made in the 1993 spring greenhouse at Brookston, IN. The pedigree 'T814' is the cross between "McNair 1003/Caldwell" and is a Trio Seeds line that was in the 1992-1993 Uniform Eastern Nursery (Entry #10). The pedigree '91M*136' is the cross "Auburn/SW75*589-9#1//SW76-118C113; Auburn is a Purdue release, SW75*589-9#1 and SW76-118C113 were old Agripro breeding lines of the same composite cross that produced the Agripro variety 'Lincoln' (please see following page for more information on these lines). The F1 seeds were planted in a field near Jonesboro, AR, the following fall. Seeds harvested from this F1 row were grown in a 1994-95 F2 bulk plot near Cleveland, MS. A portion of the harvested F2 bulk plot was space-planted in a 1995-96 F3 bulk plot near Jonesboro, AR. A portion of the harvested F3 bulk plot was thin-seeded in a 1996-97 F4 bulk plot near Marion, AR. Heads were selected from this F4 bulk population and grown as F5, Pre-Y1 head-rows in a field near Jonesboro, AR in 1997-98. The head-row selection that became Beretta (D99-5261) was selected for good disease resistance and other desirable agronomic traits. The F6 generation was grown in Observation plots near Jonesboro, AR and Cleveland, MS in 1998-99. Beretta has been in advanced testing from 2000 to the present and was tested as AW D99-5261 in the 2002-2003 Uniform Southern Soft Wheat Nursery (entry #20). Beretta was also tested in Arkansas's and North Carolina's official wheat trials in 2002-03.

In 2001, 100 purification headrows were grown near Jonesboro, Arkansas, from heads selected from an F7 plot. Sixty-two of the seventy-eight rows that were judged "true-to-type" were bulk-harvested and shipped to Colorado for initial Breeders Seed Increase. In 2002 a 0.2 acre initial Breeders seed increase was grown in Berthoud, Colorado. In 2003, a 27 acre Breeders seed increase was grown in Yuma, Arizona which produced 167,600 pounds of Breeders seed and a 4.9 acre Breeders seed increase was grown in Lucerne, Colorado to produce 13,622 pounds of Breeder's seed.

Beretta has been uniform and stable since 2002. Less than 0.8% of the total plants were rogued from either the initial Breeders Seed increase in 2002 or the Breeders Seed field in 2003. Approximately 75% the variant plants were taller height wheat plants, 5% were shorter height wheat plants and approximately 10% the variant plants were awned wheat plants. Up to 1.0% variant plants may be encountered in subsequent generations.

SW78-171SW78-171Beretta

91M*1365 / T814

(Auburn/SW75*589-9#1//SW76-118C113) / (McNair1003/Caldwell)

(Auburn//NSRW35-75/N5-74/3/SW76-118C113) / (McNair1003/Caldwell)

*SW75*589-9#1 = reselection from 1975 NAPB breeding line*

NSRW35-75 = 1975 NAPB breeding line (no further information)

N5-74 = 1974 NAPB breeding line (no further information)

SW76-118C113 = 1976 NAPB breeding line from composite cross(no further information)

Exhibit B.
Statement of Distinctness

Beretta is most similar to the soft red winter wheat 'Savage'. However, it can be easily distinguished by the following morphological characteristics:

- Beretta has a blue-green plant color at boot stage (R.H.S. Chart color number #122B; Berthoud, CO 2001 and Lucerne, CO 2002). Savage has a green plant color at boot stage (R.H.S. Chart color number #137B; Berthoud, CO 2001 and Lucerne, CO 2002).
- Beretta has an erect flag leaf at boot stage (Berthoud, CO 2001 and Lucerne, CO 2002). Savage has a recurved flag leaf at boot stage (Berthoud, CO 2001 and Lucerne, CO 2002).
- Beretta has a wide glume width at maturity (Berthoud, CO 2001 and Lucerne, CO 2002). Savage has a medium glume width at maturity (Berthoud, CO 2001 and Lucerne, CO 2002).

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (*Triticum* Spp.)

NAME OF APPLICANT(S) Monsanto Company	FOR OFFICIAL USE ONLY
	PVPO NUMBER 200400164
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 800 N. Linbergh Blvd. Creve Coeur, MO 63167	NAME OR EXPERIMENTAL DESIGNATION Beretta

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in the first box when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized standard may be used to determine plant colors; designate system used.
Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:

1 1=Common 2=Durum 3=Club 4=Other (specify) _____

2. VERNALIZATION:

2 1=Spring 2=Winter 3=Other (specify) _____

3. COLEOPTILE ANTHOCYANIN:

1 1=Absent 2=Present

4. JUVENILE PLANT GROWTH:

2 1=Prostrate 2=Semi-erect 3=Erect

5. PLANT COLOR (boot stage):

3 1 = Yellow-Green 2 = Green 3 = Blue-Green

6. FLAG LEAF (boot stage):

1 1 = Erect 2 = Recurved

2 1 = Not Twisted 2 = Twisted

7. EAR EMERGENCE:

0 0 Number of Days Earlier Than _____ *

0 2 Number of Days Later Than NK Coker 9663 *

8. ANTHER COLOR:

1 1 = YELLOW 2 = PURPLE

9. PLANT HEIGHT (from soil to top of head, excluding awns):

0 0 cm Taller Than _____ *

1 1 cm Shorter Than NK Coker 9663 *

* Relative to a PVPO-Apprvd Commercial Variety Grown in the Same Trial

5

10. STEM:

A. ANTHOCYANIN

1 1= Absent 2=Present

B. WAXY BLOOM

2 1=Absent 2=Present

C. HAIRINESS (*last internode of rachis*)

2 1=Absent 2=Present

D. INTERNODE (*specify number*)

1 1=Hollow 2=Semi-solid 3=Solid

E. PEDUNCLE

2 1=Erect 2=Recurved

1 0 cm Length

11. HEAD (*at Maturity*):

A. DENSITY

2 1=Lax 2=Middense 3= Dense

B. SHAPE

1 1 = Tapering 2= Strap 3 = Clavate 4 = Other (*specify*)

C. CURVATURE

2 1 = Erect 2 = Inclined 3 = Recurved

D. AWNEDNESS

2 1 = Awnless 2 = Apically Awnletted 3 = Awnletted 4 = Awned

12. GLUMES (*at Maturity*):

A. COLOR

1 1 = White 2 = Tan 3 = Other (*specify*)

B. SHOULDER

4 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate

C. BEAK

1 1 = Obtuse 2 = Acute 3 =Acuminate

D. LENGTH

2 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm)

E. WIDTH

3 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm)

13. SEED:

A. SHAPE

1 1 = Ovate 2 = Oval 3 = Elliptical

B. CHEEK

1 1=Rounded 2=Angular

C. BRUSH

2 1=Short 2=Medium 3=Long

1 1 = Not Collared 2 = Collared

D. CREASE

1 1 = Width 60% or less of Kernel
2 = Width 80% or less of Kernel
3 = Width Nearly as Wide as Kernel

1 1 = Depth 20% or less of Kernel
2 = Depth 35% or less of Kernel
3 = Depth 50% or less of Kernel

13. SEED: (continued)

E. COLOR

☒ 3

1 = White

2 = Amber

3 = Red

4 = Other (specify) _____

F. TEXTURE

☒ 2

1=Hard

2=Soft

G. PHENOL REACTION (see instructions):

☒ 0

1 = Ivory

2 = Fawn

3 = Light Brown

4 = Dark Brown

5 = Black

14. DISEASE: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

☒ 0Stem Rust (*Puccinia graminis* f. sp. *tritici*)
Field races☒ 4Stripe Rust (*Puccinia striiformis*)☒ 0Tan Spot (*Pyrenophora tritici-repentis*)☒ 0Halo Spot (*Selenophoma donacis*)☒ 0*Septoria nodorum* (Glume Blotch)☒ 0*Septoria avenae* (Speckled Leaf Disease)☒ 0*Septoria tritici* (Speckled Leaf Blotch)
Field races☒ 0Scab (*Fusarium* spp.)☒ 0

Black Point (Kernel Smudge)

☒ 0

Barley Yellow Dwarf Virus (BYDV)

☒ 0Soilborne Mosaic Virus (SBMV)
Field races☒ 0Wheat Yellow (Spindle Streak) Mosaic Virus
Field races☒ 0Wheat Streak Mosaic Virus (WSMV)
Field races☐

Other (specify) _____

☐

Other (specify) _____

☐

Other (specify) _____

☒ 4Leaf Rust (*Puccinia recondita* f. sp. *tritici*)
Field races☒ 0Loose Smut (*Ustilago tritici*)☒ 0Flag Smut (*Urocystis agropyri*)☒ 0Common Bunt (*Tilletia tritici* or *T. laevis*)☒ 0Dwarf Bunt (*Tilletia controversa*)☒ 0Karnal Bunt (*Tilletia indica*)☒ 3Powdery Mildew (*Erysiphe graminis* f. sp. *tritici*)
Field races☒ 0

Snow Molds

☒ 0Common Root Rot (*Fusarium*, *Cochliobolus* and *Bipolaris* spp.)☒ 0Rhizoctonia Root Rot (*Rhizoctonia solani*)☒ 0Black Chaff (*Xanthomonas campestris* pv. *translucens*)☒ 0Bacterial Leaf Blight (*Pseudomonas syringae* pv. *syringae*)☐

Other (specify) _____

☐

Other (specify) _____

☐

Other (specify) _____

☐

Other (specify) _____

15. INSECT: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

<input type="checkbox"/> 0	Hessian Fly (<i>Mayetiola destructor</i>)	<input type="checkbox"/>	Other (<i>specify</i>)
<input type="checkbox"/> 0	Stem Sawfly (<i>Cephus</i> spp.)	<input type="checkbox"/>	Other (<i>specify</i>)
<input type="checkbox"/> 0	Cereal Leaf Beetle (<i>Oulema melanopa</i>)	<input type="checkbox"/>	Other (<i>specify</i>)
<input type="checkbox"/> 0	Russian Aphid (<i>Diuraphis noxia</i>)	<input type="checkbox"/>	Other (<i>specify</i>)
<input type="checkbox"/> 0	Greenbug (<i>Schizaphis graminum</i>)	<input type="checkbox"/>	Other (<i>specify</i>)
<input type="checkbox"/> 0	Aphids		

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

Exhibit D.
Additional Description of Beretta

Beretta is a soft red winter wheat bred and developed by Agripro Wheat. Beretta is medium-short height wheat with mid-season maturity and strong straw strength. Beretta has shown tolerance to the current prevalent races of leaf rust and stripe rust. Beretta has shown intermediate resistance to the southeastern races of powdery mildew.

Juvenile growth habit is semierect. Plant color is blue-green at boot stage. The flag leaf is erect and twisted. Anther color is yellow. Auricle anthocyanin and auricle hairs are present. Waxy bloom is present on the stem, flag leaf sheath and head. The head is tapering, middense and apically awnletted. The glume at maturity is medium in length and wide in width. Shoulder shape on the glume is square with and obtuse beak. Seed shape is ovate. Brush hair length is medium and occupies a large area of the seed tip. Seed cheeks are rounded. Seed crease width is narrow and depth is shallow.

Beretta appears to be primarily adapted to Arkansas and the northern half of Mississippi. Beretta's area of secondary adaptation will likely include extreme northern Louisiana, western Tennessee and Kentucky, southeastern Missouri, northern Alabama, southern Illinois and the southern tip of Indiana, and western North Carolina.

AgriPro Wheat

SOFT WHEAT QUALITY SUMMARY

Year	LabNo	Loc-Code	Milling		Baking Quality				
			Brk Flr %	Tot Flr %	Wht Prot 14%mb	Flr Prot 14%m	C.Diam mm	T.G Norris R	Hard
BERETTA									
2002	7180	SM-96210	42.8	69.1	10.0	8.3	18.9	5	0
2002	7042	DA-96210	43.5	70.1	8.7	7.4	19.2	4	-4
2001	7212	DA-96511	48.9	69.8	8.3	6.8	19.0	2	6
2001	7075	SM-96511	45.9	71.1	10.0	8.5	19.2	2	14
		Average	45.3	70.0	9.3	7.8	19.1	3	4
AGS 2000									
2002	7171	SM-96201	40.7	68.7	10.1	8.9	19.2	3	1
2002	7033	DA-96201	41.9	71.1	10.1	8.5	19.4	3	5
2001	7202	DA-96501			8.7				12
2001	7065	SM-96501			10.8				20
		Average	41.3	69.9	9.9	8.7	19.3	3	10

TG=Cookie Top Grain

Ratings: 1=Excellent 9=Unacceptable

Yield data for BERETTA (bu/ac)

2000-2003 Yield		Adapted area data	
Average.			
77	77	BERETTA	77
	69	CK 9863	76
		AGS 2000	75
		NATCHEZ	73
		NATCHEZ	72
		SAVAGE	71
72	72	BERETTA	71
		CK 9863	75
		AGS 2000	71
		NATCHEZ	71
		SAVAGE	71
26	26	Trial Mean	71
		No. Trials	20
		Trial Mean	71

2000-2003 Yield Missouri Average		BERETTA				CK 9893				AGS 2000				NATCHEZ				Savage			
76		80	76	76	86	78	79	77		75	74	85	52								
74	Trial Mean	78	75	74	85	78	75	74	85	78	75	74	85	52	Trial Mean						
4	No. Trials	3	3	2	1	3	3	2	1	3	3	2	1								

2000-2003 Yield Mississippi Average		2004-2005 Yield Mississippi Average		2006-2007 Yield Mississippi Average		2008-2009 Yield Mississippi Average		2010-2011 Yield Mississippi Average		2012-2013 Yield Mississippi Average	
74	BERETTA	77	76	76	76	84	BERETTA	CK 9663	AGS 2000	NATCHEZ	SAVAGE
70	Trials Mean	72	73	72	73	78	Trials Mean	78	76	78	76

2000-2003 Yield / Arkansas Average		2000-2003 Yield / Arkansas Average		2000-2003 Yield / Arkansas Average	
77	BERETTA	78	77	74	76
	CK 9663	71			CK 9663
	AGS 2000		72		AGS 2000
	NATCHEZ			67	NATCHEZ
	SAVAGE				SAVAGE
71	Total Mean	72	71	69	72
19	No. Trials	24	10	16	21

BERETTA Agronomy

TW			'03												'01				'00			
(lbs/bu)	VARIETY		HEADING		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR			
AVG	AVG	KB	MR	RW	ST	SH	DA	SM	DA	SA	BA	CS	DA	JA	CS	LL	CS	JH	PSR			
	COKEK 9663	57.1	108.3	111	106	111	110	106	109	120	109	112	111	108	108	118	110	90	95	110	108	
	AGS 2000	57.3	105.9	108	105	110	106	105	109	118	108	109	108	106	106	113	106	88	92	107	105	
	BERETTA	57.0	110.6	113	110	113	111	110	112	121	111	111	113	113	111	119	109	92	101	111	111	
	Plo 26R24	56.2	109.3	108	106	110	108	106	107	119			111	108	113	107						
	BERETTA	56.6	112.8	113	110	113	111	110	112	121			113	111	119	109						
	NATCHEZ	56.6	110.6	112	110	113	109	110	110	121			112	111	119	109	99	102	111	111		
	BERETTA	57.0	110.3	113	110	113	111	110	112	121			113	111	119	109	92	101	111	111		
	SAVAGE	58.2	109.0	111	109	110	108	106	109	119			111	111	117	103	98	102	111	110		
	BERETTA	57.0	110.3	113	110	113	111	110	112	121			113	111	119	109	92	101	111	111		

Height	'03	USN																															
		'03												'02												'01				'00			
		AR	KB	AVG	cm	AR	MR	AR	AR	ST	SH	LW	CS	DA	SM	CS	DA	ST	BA	DA	JAH	SM	CS	DA	SM	LL	CS	MC	SM				
COKER 9663	97	101.6	40.0	101.6	97	91	104	97	99	89	103	109	111	102	111	97	86	103	102	100	105	103	108	##	108	98	98	105					
AGS 2000	89	92.4	36.4	92.4	89	84	94	89	89	86	92	100	98	90	100	84	82	94	92	91	93	95	95	##	100	100	89						
BERETTA	84	90.2	35.5	90.2	84	81	91	84	84	74	90	97	96	88	99	84	80	90	84	98	94	91	90	##	99	107	94						
Plo 26R24	86	92.5	36.4	92.5	86	86	94	86	91	84	91	102	103			97	95	93	91	94	94												
BERETTA	84	88.5	34.8	88.5	84	81	91	84	84	74	90	97	96			90	84	98	94	91	90												
NATCHEZ	99	100.6	39.6	100.6	99	94	102	94	94	84	99	112	107			97	100	100	103	104	99	##	109	103		107							
BERETTA	84	90.7	35.7	90.7	84	81	91	84	84	74	90	97	96			90	84	98	94	91	90	##	99	107	94								
SAVAGE	89	89.7	35.3	89.7	89	76	89	81	84	71	87	97	98			93	83	92	93	91	90	##	97	104	91								
BERETTA	84	90.7	35.7	90.7	84	81	91	84	84	74	90	97	96			90	84	98	94	91	90	##	99	107	94								

	Lodging											
	AVG	'03		DA		'02		'01		'00		
	DA	JH	DA	JA	MA	DT	CS	DA	MA	DT		
COKER 9863	7	8	6	4	1	2	4	1	1	1		
AGS 2000	6	8	2	3	2	3	2	1	1	1		
BERETTA	1	4	1	1	2	1	1	1	1	1		
Pio 26R24	6	6		2	8	2						
BERETTA	1	4		1	2	1						
NATCHEZ	7	6		2	5	4	2	1	1	4		
BERETTA	1	4		1	2	1	1	1	1	1		
SAVAGE	3	8		1	4	2	2	1	2	1		
BERETTA	1	4		1	2	1	1	1	1	1		

1 = Best, 9 = worst

BERETTA Pathology

VARIETY	Powdery			Leaf			Stripe		
	Mildew			Rust			Rust		
	AVG	'03	'02	AVG	'03	'02	AVG	'03	'02
COKER 9663	5.9	5 5 5 7 7 7	7 7 7	4.0	2 5 5 5 5 5	2 6 4 4 3	4.5	4 4 6 4	4 4 6 4
AGS 2000	1.9	1 1 0 5 1 3	5 1 3	1.7	1 1 1 1 1 1	2 2 2 4 1	5.5	5 6 6 5	5 6 6 5
BERETTA	4.5	4 5 2 5 6 5	5 6 5	2.7	1 2 4 3 2 2	3 5 2	2.8	2 3 3 3	2 3 3 3
Pio 26R24	4.2	2 5 6	5 6	2.9	1 3 6 1 1 1	4 6	5.3	3 6 7 5	3 6 7 5
BERETTA	5.1	4 5 6	5 6	2.8	1 2 4 3 2 2	3 5	2.8	2 3 3 3	2 3 3 3
NATCHEZ	4.6	3 6 6 4	6 6 4	1.4	1 2 1 1 2 1	2 1 2	1.5	1 1 2 2	1 1 2 2
BERETTA	5.0	4 5 6 5	5 6 5	2.7	1 2 4 3 2 2	3 5 2	2.8	2 3 3 3	2 3 3 3
SAVAGE	4.0	4		2.9	1 3 3 3 2 3	5 3 3	2.5	2 3 3 2	2 3 3 2
BERETTA	4.0	4		2.7	1 2 4 3 2 2	3 5 2	2.8	2 3 3 3	2 3 3 3

1 = Best, 9 = worst

Location Abbreviations

GS = TNS, Greenville, MS	KC = NCSU, Kinston, NC
CS = Cleveland, MS	TG = UGA, Tifton, GA
DA = DeWitt, AR	VA = FFR, Providence Forge, VA
HA = Holly Grove, AR	HN = Haubstadt, IN
CR = Fisher, AR (behind Rice)	CI = Carmi, IL
MA = Marion, AR (fine silt loam)	GH = Greenhouse
MC = Marion, AR (heavy clay soil)	BA = Syngenta, Bay, AR
JA = Jonesboro, AR	ST = UofA Stuttgart, AR
JH = Jonesboro, AR (high mgmt)	KB = UofA Kibler, AR
DT = Dyersburg, TN	MR = UofA Marianna, AR
SM = Charleston, MO	RW = UofA Rohwer, AR
(or Matthews in '01-'00)	SH = UofA Stuttgart, AR High Mgmt
	LW = UofA Lewisville, AR
	LN = NCSU Lenoir County, NC

Exhibit E.
Statement of the Basis of Applicant's Ownership

The variety for which Plant Variety Protection is hereby sought was developed by J. Barton Fogleman, an employee of Agripro Wheat. By agreement between employees and Agripro Wheat all rights to any invention, discovery, or development made by the employee while employed by Agripro Wheat, were assigned to Agripro Wheat, with no rights of any kind pertaining to 'Beretta' being retained by the employees.

By contractual agreement the variety 'Beretta' was purchased from Agripro Wheat, a business unit of Advanta USA, Inc. in June of 1996 and is currently owned by Monsanto Company.